```
C:\Users\Abdul-Aziz Tahil>docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: altador
Password:
Error response from daemon: Get https://registry-1.docker.io/v2/: unauthorized: incorrect username or password

C:\Users\Abdul-Aziz Tahil>B
'B' is not recognized as an internal or external command,
operable program or batch file.
```

---START OF EXERCISE 4---

Panicked since there are no characters shown in password.

```
C:\Users\Abdul-Aziz Tahil>docker login
Login with your Docker ID to push and pull images from Docker Hub. If you don't have a Docker ID, head over to https://hub.docker.com to create one.
Username: altador
Password:
Login Succeeded

C:\Users\Abdul-Aziz Tahil>docker search kafka
NAME                                  DESCRIPTION                                STARS    OFFICIAL   AUTOMATED
wurstmeister/kafka                    Multi-Broker Apache Kafka Image            1372                [OK]
spotify/kafka                         A simple docker image with both Kafka and Zo…  411                [OK]
bitnami/kafka                         Apache Kafka is a distributed streaming plat…  241                [OK]
sheepkiller/kafka-manager             kafka-manager                              204                 [OK]
kafkamanager/kafka-manager            Docker image for Kafka manager             123
ches/kafka                            Apache Kafka. Tagged versions. JMX. Cluster-…  117                [OK]
hlebalbau/kafka-manager               CMAK (previous known as Kafka Manager) As Do…  83                 [OK]
landoop/kafka-topics-ui               UI for viewing Kafka Topics config and data …  36                 [OK]
solsson/kafka                         http://kafka.apache.org/documentation.html#q…  22                 [OK]
johnnypark/kafka-zookeeper            Kafka and Zookeeper combined image         22
debezium/kafka                        Kafka image required when running the Debezi…  21                 [OK]
landoop/kafka-lenses-dev              Lenses with Kafka. +Connect +Generators +Con…  20                 [OK]
danielqsj/kafka-exporter              Kafka exporter for Prometheus              19                  [OK]
landoop/kafka-connect-ui              Web based UI for Kafka Connect.            17                  [OK]
digitalwonderland/kafka               Latest Kafka - clusterable                 15                  [OK]
tchiotludo/kafkahq                    Kafka GUI to view topics, topics data, consu…  6                  [OK]
solsson/kafka-manager                 Deprecated in favor of solsson/kafka:cmak  5                   [OK]
solsson/kafkacat                      https://github.com/edenhill/kafkacat/pull/110  5                  [OK]
solsson/kafka-consumers-prometheus    https://github.com/cloudworkz/kafka-minion  4
solsson/kafka-prometheus-jmx-exporter For monitoring of Kubernetes Kafka clusters …  4                  [OK]
mesosphere/kafka-client               Kafka client                              3                   [OK]
anchorfree/kafka                      Kafka broker and Zookeeper image          2
zenko/kafka-manager                   Kafka Manger https://github.com/yahoo/kafka-…  2                  [OK]
digitsy/kafka-magic                   Kafka Magic images                        2
zenreach/kafka-connect                Zenreach's Kafka Connect Docker Image     2

C:\Users\Abdul-Aziz Tahil>docker pull kafkacat
Using default tag: latest
Error response from daemon: pull access denied for kafkacat, repository does not exist or may require 'docker login': denied: requested access to the resource is denied

C:\Users\Abdul-Aziz Tahil>docker pull spotify/kafka
Using default tag: latest
```

must be full name to successfully pull image

```
latest: Pulling from spotify/kafka
386a066cd84a: Pull complete
75ea84187083: Pull complete
3e2e387eb26a: Pull complete
eef540699244: Pull complete
1624a2f8d114: Pull complete
7018f4ec6e0a: Pull complete
6ca3bc2ad3b3: Pull complete
658810c91c6a: Pull complete
c8bd0e6d651a: Pull complete
d471f5c9f3f2: Pull complete
Digest: sha256:cf8f8f760b48a07fb99df24fab8201ec8b647634751e842b67103a25a388981b
Status: Downloaded newer image for spotify/kafka:latest
docker.io/spotify/kafka:latest

C:\Users\Abdul-Aziz Tahil>docker images
REPOSITORY      TAG       IMAGE ID       CREATED          SIZE
delner/ping     latest    eabcd8772c39   22 minutes ago   139MB
ubuntu          16.04     9ff95a467e45   3 weeks ago      135MB
spotify/kafka   latest    a9e0a5b8b15e   4 years ago      443MB

C:\Users\Abdul-Aziz Tahil>docker tag delner/ping delner/ping:1.0

C:\Users\Abdul-Aziz Tahil>docker images
REPOSITORY      TAG       IMAGE ID       CREATED          SIZE
delner/ping     1.0       eabcd8772c39   23 minutes ago   139MB
delner/ping     latest    eabcd8772c39   23 minutes ago   139MB
ubuntu          16.04     9ff95a467e45   3 weeks ago      135MB
spotify/kafka   latest    a9e0a5b8b15e   4 years ago      443MB

C:\Users\Abdul-Aziz Tahil>tag delner/ping ping:1.0                    Forgot docker at start
'tag' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Abdul-Aziz Tahil>docker tag delner/ping ping:1.0

C:\Users\Abdul-Aziz Tahil>docker images
REPOSITORY      TAG       IMAGE ID       CREATED          SIZE
delner/ping     1.0       eabcd8772c39   24 minutes ago   139MB      Using rmi without :<version>
delner/ping     latest    eabcd8772c39   24 minutes ago   139MB      automatically assumes latest.
ping            1.0       eabcd8772c39   24 minutes ago   139MB
ubuntu          16.04     9ff95a467e45   3 weeks ago      135MB
spotify/kafka   latest    a9e0a5b8b15e   4 years ago      443MB

C:\Users\Abdul-Aziz Tahil>docker rmi delner/ping
Untagged: delner/ping:latest

C:\Users\Abdul-Aziz Tahil>docker images
REPOSITORY      TAG       IMAGE ID       CREATED          SIZE
delner/ping     1.0       eabcd8772c39   24 minutes ago   139MB
```

```
ping         1.0        eabcd8772c39    24 minutes ago    139MB
ubuntu       16.04      9ff95a467e45    3 weeks ago       135MB
spotify/kafka  latest   a9e0a5b8b15e    4 years ago       443MB

C:\Users\Abdul-Aziz Tahil>docker rmi ping
Error: No such image: ping

C:\Users\Abdul-Aziz Tahil>docker rmi delner/ping
Error: No such image: delner/ping

C:\Users\Abdul-Aziz Tahil>docker images
REPOSITORY    TAG        IMAGE ID        CREATED           SIZE
delner/ping   1.0        eabcd8772c39    25 minutes ago    139MB
ping          1.0        eabcd8772c39    25 minutes ago    139MB
ubuntu        16.04      9ff95a467e45    3 weeks ago       135MB
spotify/kafka  latest    a9e0a5b8b15e    4 years ago       443MB

C:\Users\Abdul-Aziz Tahil>docker rmi ping:1.0
Untagged: ping:1.0

C:\Users\Abdul-Aziz Tahil>docker images
REPOSITORY    TAG        IMAGE ID        CREATED           SIZE
delner/ping   1.0        eabcd8772c39    26 minutes ago    139MB
ubuntu        16.04      9ff95a467e45    3 weeks ago       135MB
spotify/kafka  latest    a9e0a5b8b15e    4 years ago       443MB

C:\Users\Abdul-Aziz Tahil>docker push delner/ping 1.0
'docker push" requires exactly 1 argument.
See 'docker push --help'.

Usage:  docker push [OPTIONS] NAME[:TAG]

Push an image or a repository to a registry

C:\Users\Abdul-Aziz Tahil>docker push delner/ping:1.0
The push refers to repository [docker.io/delner/ping]
93e01566871a: Preparing
cdc4d0cd3d15: Preparing
43d05a2c9517: Preparing
1902cf049561: Preparing
9fe04650404a: Preparing
denied: requested access to the resource is denied

C:\Users\Abdul-Aziz Tahil>docker push ubuntu:16.04
The push refers to repository [docker.io/library/ubuntu]
cdc4d0cd3d15: Preparing
43d05a2c9517: Preparing
1902cf049561: Preparing
9fe04650404a: Preparing
denied: requested access to the resource is denied
```

First error: forgot : at :<version>
Second error: pushing without renaming the image with my username

```
C:\Users\Abdul-Aziz Tahil>docker tag delner/ping altador/ping:1.0
Error response from daemon: No such image: delner/ping:latest

C:\Users\Abdul-Aziz Tahil>docker tag delner/ping:1.0 altador/ping:1.0

C:\Users\Abdul-Aziz Tahil>docker images
REPOSITORY      TAG       IMAGE ID       CREATED          SIZE
altador/ping    1.0       eabcd8772c39   29 minutes ago   139MB
delner/ping     1.0       eabcd8772c39   29 minutes ago   139MB
ubuntu          16.04     9ff95a467e45   3 weeks ago      135MB
spotify/kafka   latest    a9e0a5b8b15e   4 years ago      443MB

C:\Users\Abdul-Aziz Tahil>docker rmi delner/ping
Error: No such image: delner/ping

C:\Users\Abdul-Aziz Tahil>docker rmi delner/ping:1.0
Untagged: delner/ping:1.0

C:\Users\Abdul-Aziz Tahil>docker push altador/ping:1.0
The push refers to repository [docker.io/altador/ping]
93e01566871a: Pushed
cdc4d0cd3d15: Pushed
43d05a2c9517: Pushed
1902cf049561: Pushed
9fe04650404a: Pushed
1.0: digest: sha256:a240f010090a383efebfc8701e3b649225e62ae3b0be749bd0a80b9697bb7fac size: 1361

C:\Users\Abdul-Aziz Tahil>_    ---END OF EXERCISE 4---
```